# Purchasing Receipts

Dart Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada Tel (613) 632-5200 Fax 613 632-5246

9/28/2018

Print

e e	sus ×	× Sus	S S	sc	T su	_
Supplier	Metaux	\$73.20 Metaux Solutions	Metaux Solutions	Solutio	Metaux	
Total	\$227.52 Metaux Solution	\$73.20	S428.40 Metaux Solution	S204.22 Metaux Solutions	\$183.60 Metaux Solutions	\$858.19
Past Due						₩
Aging Days	, =	8	89	9	8	
Price/Unit	9/17/2018 \$ 37.92 / ft	\$6.10/ft	9/10/2018 \$ 11.90 / ft	\$ 17.80 / ft	9/10/2018 \$ 61.20 / ft	
Status Date	117/2018	9/10/2018	/10/2018	9/10/2018	10/2018	
Status	Stock	Stock	Stock	Stock 9/	Stock 9/	$\parallel$
Container	\$114510	\$108976	\$108977	S108978	S108979	
Received Accounting Container Quantity Job No No						
Received / Quantity	9	12	φ <sub>ε</sub>	= .	Ю.	89
Due Date	9/20/2018	12 9/6/2018				
Order Qty	©	12	40	12	м	73
Equipment Order ID Qty	ł			4		Total:
Project						
For No						
Description	304 Bar 0.500 X 6.000": MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	303 Round Bar 0.625"; MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	6061-16 Bar 1,00 X 2.00: MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER AQA-A226/8 OR AMS-CQ- A-225/8 OR AMS 417/41/28/415/4116 OR GQA-A200/8 OR AMS 4160 A-200/8 OR AMS 4160 OR ASTIM B221 receive ft ASTM B221 receive ft	M6061T6B2.500X01.500   6061-T6 Bar 2.50 X 1.50 :	AISI O1 Tool Steel Round Bara 2.500"" DIA: Material: AISI 01 TOOL STEEL ROUND BAR DIN 1.2510 or B.S. BO 1 or SAE J437 or SAE J438 or UNS T31501 or ASTM A681	
Purchased Item	M304B0.500X6.000	M303R0.625	M6061T6B1.000X02.000  MATERIAL: 6061- T6/T651/T6610/T6611/T6 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ A-225/8 OR AMS-QQ A-225/8 OR AMS-QQ A-226/8 OR AMS-QQ A-200/8 OR AMS-QQ A-200/8 OR AMS-QQ A-200/8 OR AMS-T10OR A-200/8 OR ASTM B211 OR ASTM B221 receive ft	16061T6B2.500X01.500	MT-O1-R2.500	
Terms	Net 30	~	E	2	2	
Rel		2	m	4	υ	
- I	-52005-					
PO No Supplier Item	P0040839 MES002-					

Plex 9/28/2018 1:15 PM dart. Tollis. Andrew



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO040839

Tel (613) 632-5200

Supplier: MES002-VC

Metaux Solutions

2625 boul Jacques-Cartiler Est

Longueuil QC J4N 1L7 Canada

Phone: 800 558 8858 Fax: 514 633 8044 PO No:

PO040839

PO Date: Due Date:

8/24/18 8/31/18

Purchase Order

Revision:

Revision Date: Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.com

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200 Via:

Ground

Pymt Terms:

Net 30

Freight Terms: Special Comments: bid 28604

Line Supplier Due Order Received Extended Item Job Part Part No Description Status Account Date Quantity Quantity Balance Price (CAD) Price M304B0.500X6.000 SF1264 304 Bar 0.500 X 6.000" Firmed -8/31/18 \$37.92/ft \$227.52 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT **ACCEPTABLE** receive ft M303R0.625 303 Round Bar 0.625" Firmed -8/31/18 \$6.10/ft \$73.20 : MATERIAL: AISI 303 SS ROUND BAR AS PER AT 18/04/28 ASTM A582 NOTE:304/316 NOT **ACCEPTABLE** receive ft M6061T6B1.000X02.000 6061-T6 Bar 1.00 X 2.00 Firmed -8/31/18 \$11.90/ft \$476.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft Line Item Note cut in section of 10 ft M6061T6B2.500X01.500 AF112212 6061-T6 Bar 2.50 X 1.50 Firmed -8/31/18 0 ft 12 ft : MATERIAL: 6061-11.4729 T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft

Line Item	Job		Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extende Price
5 AT		MT-O1-R2,500	TR21201	AISI O1 Tool Steel Round Bar 2.500" DIA : Material: AISI 01 TOOL STEEL ROUND BAR DIN 1.2510 or B.S. BO 1 or SAE J437 or SAE J438 or UNS T31501 or ASTM A681	Firmed	-	8/31/18					
6		MT-O1-R3.000		AISI O1 Tool Steel Round Bar 3.000" DIA. : Material: AISI 01 TOOL STEEL ROUND BAR DIN 1.2510 or B.S. BO 1 or SAE J437 or SAE J438 or UNS T31501 or ASTM A681	Firmed		8/31/18	3 ft	O ft	3 ft	\$72.53333/ft	\$217.60

**Order Notes** 

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 8/27/18 10:11 AM dart.lavoie.chantal



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

# PURCHASE ORDER PO040839

Tel (613) 632-5200

Supplier:

MES002-VC

Metaux Solutions

2625 boul Jacques-Cartiier Est

Longueuil QC

J4N 1L7 Canada Phone: 800 558 8858 Fax: 514 633 8044 PO No:

PO040839

PO Date:

8/24/18 8/31/18

Due Date: Purchase Order

Revision:

Revision Date:

Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.com

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200 Via:

Ground

Pymt Terms:

Net 30

Freight Terms:

Special Comments: bid 28604

			,		Items					W-		
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity		Unit Price (CAD)	Extended Price
1		M304B0.500X6.000	SF1264	304 Bar 0.500 X 6.000" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	8/31/18	6 ft	O ft	6 ft	\$37.92/ft	\$227.52
2		M303R0.625		303 Round Bar 0.625" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	-	8/31/18	12 ft	O ft	12 ft	\$6.10/ft	\$73.20
3	The part of distributed performance of the part of the state of the st	M6061T6B1.000X02.000		6061-T6 Bar 1.00 X 2.00 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	-	8/31/18	36 ft	O ft	36 ft	\$9.60/ft	\$345.60
4		M6061T6B2,500X01,500		6061-T6 Bar 2.50 X 1.50 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	_	8/31/18	12 ft	0 ft	12 ft	\$17.80/ft	\$213.60

Line			Supplier		Items		Due	Order	Received		Unit	F.4 1-
tem	_		Part No	Description		Account		The state of the s			Price (CAD)	Extended Price
5		MT-O1-R2.500	TR21201	AISI O1 Tool Steel Round Bar 2.500" DIA : Material: AISI 01 TOOL STEEL ROUND BAR DIN 1.2510 or B.S. BO 1 or SAE J437 or SAE J438 or UNS T31501 or ASTM A681	Firmed	-	8/31/18	3 ft	O ft	3 ft	\$61.20/ft	\$183.6
6		MT-O1-R3.000		AISI O1 Tool Steel Round Bar 3.000" DIA. : Material: AISI 01 TOOL STEEL ROUND BAR DIN 1.2510 or B.S. BO 1 or SAE J437 or SAE J438 or UNS T31501 or ASTM A681	Firmed	-	8/31/18	3 ft	0 ft	3 ft	\$72.53333/ft	\$217.60

**Order Notes** 

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 8/24/18 10:28 AM dart.lavoie.chantal

Bid

21/08/2018

28604

METAUX SOLUTIONS INC 2625 BOUL JACQUES CARTIER EST

LONGUEUIL, QUEBEC J4N 1L7

Tel.: 450 641-3330

Sales Rep.

: J.F. TANGUAY

Sales Rep. : J.F. TANGI Reference : CHANTAL

Expiration Date : 19/11/2018

Customer: 6323336

DART AEROSPACE LTD 1270, ABERDEEN STREET HAWKESBURY, ONTARIO K6A 1K7

Ship To:

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Price	Total	Tx
	SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N				
SS162B4	304 SHEET .080 (16G) 5 SHEETS 48" X 96"	160	9.02	1443.20	А
SS182B4	304 SHEET .048 (18G) 4 SHEETS 48" X 96"	128	7.40	947.20	А
SF3834	304 FLA .375 X 3.000 1 X 12'	12	17.54	210.48	А
SF1264	304 FLA .500 X 6.000 1 X 72"	6	37.92	227.52	Α .
SF5834	304 STAINL FLA .625" X 3.00" 1 X 72"	6	69.85	419.10	Α
SR583	303 ROU .625 DIA	12	6.10	73.20	Α
SR13	303 ROU 1 000 DIA 3 X 12'	36	9.25	333.00	Α
CMS0404130	CHROM MOLLY SHEET .040" 4130N AMS 6345	18	12.00	216.00	A
	1 X 36" X 72"				
BRR212	BRONZE ROU 2.500 DIA 660 1 X 24"	2	194.00	388.00	Α
SWT340494	SS TUB .750 X .049 304 WELDED	120	3.25	390.00	A

Bid

21/08/2018

28604

METAUX SOLUTIONS INC

2625 BOUL JACQUES CARTIER EST LONGUEUIL, QUEBEC

J4N 1L7

Tel.: 450 641-3330

Sales Rep.

Sales Rep. : J.F. TANGUAY Reference : CHANTAL

Expiration Date : 19/11/2018

Customer: 6323336

DART AEROSPACE LTD 1270, ABERDEEN STREET HAWKESBURY, ONTARIO

K6A 1K7

Ship To:

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Price	Total	Tx
	6 X 20'				
AF12	ALU FLA 1.000 X 2.000 6061-T6	36	9.60	345.60	А
	3 X 12'				.,
AF1142	ALU FLA 1.250 X 2.000 6061-T6	12	16.94	203.28	Α
	1 X 12'				5.3
AF14	ALU FLA 1.000 X 4.000 6061-T6	12	19.40	232.80	Α
	1 X 12' *** NO 1" X 3.5"				,,,
AF112212	ALU FLA 1.500 X 2.500 6061-T6	12	17.80	213.60	Α
	1 X 12'				
ASQT111863	ALU TUB 1.00 X 1.00 X .120 ARC	105	2.20	231.00	A
	5 X 21'				
MR41241H	4440 HTSR ROU 4.500 DIA	3	125.00	375.00	Α
	1 × 36"			5,,5,5	
TR301	O-1 TFA TO FIN 3 RD	64	3.40	217.60	А
	1 X 36"				A
TR212O1	O-1 TFA TO FIN 2.500 RD	54	3.40	183.60	А
	1 X 36"				A

	COPY	Subtotal	6 650.18	
A) Regist :		HST :	864.52	
		Total:	7 514.70	

Shipping Order

05/09/2018

METAUX SOLUTIONS INC 2625 BOUL JACQUES CARTIER EST

LONGUEUIL, QUEBEC

J4N 1L7

Tel.: 450 641-3330

Order Reference

: 137725 : 40839

Ship

: PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD 1270, ABERDEEN STREET HAWKESBURY, ONTARIO K6A 1K7 Ship To

Same

Tel.: 1613 632-3336

Item No.	Description	Qty Qty. Deliver B/O Qty
	******* FACTURER E-MAIL ******** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N	2, 2, 2,
SF1264	304 FLA .500 X 6.000	6 6
	ht/563 x	
SR583	303 ROU .625 DIA	10 1
	1 x 12' ******	12 /9 0
	h(47715) A	,
AF12		71
_	ALU FLA 1.000 X 2.000 6061-T6 3 X 12'	36 <u>36</u> <u>Q</u>
	ht/18019291A	, ,
AF112212	ALU FLA 1.500 X 2.500 6061-T6	va/
	1 X 12' ***	12 /2
9	HT/3B6350	. /
TR21201	0-1 TFA TO FIN 2.500 RD	
	1 X 36" ****	51 5/
	HT.991703650B	,
TR301	O-1 TFA TO FIN 3 RD	72 1
	1 X 36"	73 +3
	HT;9917036550B-48-4	,
	111,00 11 030330B-40-4	
	SHIP JOURNEY COLLECT	
	JP	4
	VI	

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		C	L.	-	-:		
		)/	4 4	$P_{J}$	$p_{i}$	ng	
p	an	L	n	~	. 1	Vo	

Ref.

Merchandise Received:



Certificate: 363734

Customer:

# REPORT METALLURGICAL TEST

Ship To:

6870 Highway 42 East Ghent, KY 41045-9615 (502) 347-6000

Date: 12/15/2017

T

Page:

Steel: 304 304L Finish:

A262/15 A 180Bend-o

Finish: T	Corrosion: ASTM A262/15 A 180Be	REMARKS: Mat'l is Pree of Mercury Contamination. No weld repairs. EN 10204:2004 3.1; RoES 1 & 2 Compliant Material is Free of Radioactive Contamination Steel Mating Process: EAF, AOD, & Cont. Casting Product Mfg.by a Quality Mgt.Sys. in Conf. w/ISO 9001 *Melted & Manufactured in the USA: Mat'l is DPARS Compliant	- 1	Water Landing
	NAS Order:	M: 400/30403 \$A240/15,\$A480/15,\$A666/15 \$A240/17,A494/16,A312/16 13,\$A479/13 D3 (X CRN MEAS); MIH-S-4043B 03/07;QQS766D-A X MAG PERM ER QUENCHED	Width. Weight	
Your Order:	E	STAINLESS STEEL PLATE, HRAP; UNS 30400/30403  ASTM A240/162,A480/165,AERP; UNS 33400/30403  CERM ONLY ON POLLOWING ASTM: A276/17,A479/17,A484/16,A312/16  CHEM ONLY ON POLLOWING ASTM: RA312/13,SA479/13  NACE NOLTY ON FOLLOWING ASTM: 8A312/13,SA479/13  NACE NEOLTS/1SO 15156-3:2009 A, MR0103/07;QQS766D-A X WAG PERM  SAR AMS Q2-5-763	Product Id Plate# Skid # Thickness Width.	

WeightIengeh Mar' Dissert	1,260 PIATE 144.00 3 1	M(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per Asim A751/14a
Product Id Plate# Skid # Thickness Width Weight	06563X BA 06563X BA PK4068 .5000 60.0000 1,26	CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(Unit

	_			-	-
Chemical Analysis per Asim A751/14a	\$ S \$ d	.0315 .0010			
Jr.(Japan)	NI &	8.0730			
no vine	de Z	.0832			
notes (au	3% OK	.3750			
decent virgel or (Japan)	Strate of	. 3340 I.8620			
9 5	2	Dave .			
#	3				
رن ش	.0145		SI &	.2840	The state of the s
<b>S</b>	88				
T.	×				
HEA	263X			***************************************	

	R of A	ę.	72.20		
	Hard		70.00		
	LONG &		62.10		
	UTS 20C 2% YS 20C ELONG % Hard KSI KSI %-2* PP		36.61		<del></del>
TIES	UTS 20C		19.58		
PROPER	400 400	1	4		
	Plate#	06563X RA			
MECHANICAL	Product Id#	06563X BA			
		_			

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr.

KRIS LARK

12/15/2017

05 L & L & B & E D

REV. C SHEET 1 OF 1 10.11.25 09.07.15 05.06.10 DATE DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M304B MB Hd Cb ADDED PLATE TO PURCHASE MATERIAL, ADDED PLATE
FROM 304316 BAR 170 304316 BARPALTE

B REFCRANT DWG, ADD SPECS (ZN DG-1),
A NEW ISSUE CHECKED MFG, APPR. REV DESIGN DRAWN

SCALE

TITLE 304/316 BAR/PLATE

NTS

COPYRIGHT 2005 BY DART AEROSPACE LTD

10.11.25

APPROVED DE APPR. DATE 10

SPECIFICATION CONTROL DRAWING

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PURCHASE MATERIAL: AISI 304816 SS BAR OR AISI 304/316 SS PLATE (NOTE: AISI 303 NOT ACCEPTABLE) ASTM A276 OR ASTM A240

SPECIFICATION: PART NUMBER:

M304B T.TTT X WW.WWW THICK WIDTH

WHERE "T,TTT" = THICKNESS IN INCHES AND "WW.WWW" = WIDTH IN INCHES

EG. 0.5" x 3.0" BAR = M304B0.500X03.000 EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

\*

Ω

MATERIAL:			6.000	_		PO / BATCH	1 NO .: POOY	0834/51/4510
MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED:				_	THIC SHE	CKNESS ORDE CKNESS RECE ET SIZE ORDE ET SIZE RECE	IVED: 0.5	
	- AMERICA	CR	T					
DESCRIPTION	1	neck /N)				COMMEN	TS	
SURFACE DAMAGE	Y	W		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
CORRECT FINISH	N	N						
CORROSION	Y	N						
CORRECT GRAIN DIRECTION	(2)	N						
CORRECT MATERIAL PER M-DRAWING	0	N	187	MA240				
CORRECT THICKNESS	N	N	1011	1/4210				
PHOTO REQUIRED	Y	N						
CORRECT REF # TO LINK CERT	(8)	N	MTE	563X				
CORRECT MATERIAL IDENTFICATION		N	71	J 60 J 11				
CORRECT M# ON THE MATERIAL	(A)	N	A					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	N						
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	3						
			- 1201 <del>3 19 19 1</del>					
CUT SAMPLE PIECE	OF	MA	TERIAL A	ND PREF	ORI	M A HARDNE	SS CHECK.	
	F	RECO	ORD RES	SULTS BE	LOV	V		
			HRC	HRB		DUR A	DUR D	WEBSTER
TYPE OF MATERIAL	ļ							
SIZE OF TEST SAMPLE								
HARDNESS / DUROMETER READII	۱G							
	te	sters	located in	the Quality	Offic	<u>:e</u>		
QC 18 INSPECTION	7.00				De la constitución de la constit	ENGINEER	INC SICNO	FF /#
		17.07				LNGINEER	ING SIGNO	FF (if required)
INSPECTED BY:					SIGN	IED OFF BY:		
DATE: /8/04/28						DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# VIRAJ PROFILES LIMITED



Works SURVEY NO.- 25/1, 25/2, 26 & 34, VINgs- MAAN, Tehnin- PALGEAR, Dist.- THANE, MARARASHTRA-461 506, REDIA,

## TEST CERTIFICATE

CHETOMER

ORDER NO

PACKING LIST NO INSPECTION NO

DATE 20.11.2017

Postore

6475012215/14

100009262788 CHARLE

HEAT No

47715

T-303

ENNINE P. NO : 1100799336 ,1100799335 ,1100799334 .

DESCRIPTION STABILIES STREET BROOMS BARD

COLD BRAWN POLISHED - 28

111		10.4		TOL	111		War.		larie	2.5	Walder	
37		10.0	NO .	ASI	//XXX		-K		W			
						MARCA	LANAL	100				
%C	%Miles	MAR.	968	9617		9680	%Cn		%Co	94192		
0.0450	1.570	0.300	0.2000	0.0340	17.300	2,000	0.490	0.250	0:150	eveles.		
				***************************************		mer I	· 19 41					
0.3% year atrought	Atria; Int	lo J gdb 9	thougathe 6	Mad Are 95	petion Of B	E and		Grah S NOS	lino .			
91.0	103.0		9.0	54.7		2164		7.0				

MATERIAL CONFERMS TO DEN 1986-1-2005 COND-A BLASTM ASSMALLIZAL, ASSM A SUB-OL, ASSM AND-MAINS SOUL TYPE I, EXCEPT MARKING. QOS-MARAS COND A. ENCEPT MARRING, UNIS-SQUARATTH ASSOCIABLE ASTRE ASSOCIATION-154, BISP CLASS LABORS SA 300 BISP CLI MEL-8-803 B GRADE AND SE WHELLANDS.

CHETWIED AS PUR IN 16184-1.1

MATERIAL IS TRUE THOM MERCURY CONTAMINATION, THAN THOM WILLD OR WILD HUTARIS, MICROFIELD FROM CONTROLS CARRIED NETWORK ON GRAIN BOUNDARIES, MACRO-GOOD, MANNALM SOLUTION ANDWALDIG TEMPERATURE HOSE, SOAIZNIG THAT 1/2 MIRA, WATER QUINCINED. MILT SOURCELAGO. WE CONFERM THAT THE MATERIAL WAS BOUNTED AND FOUND TO BE FILE FROM EARIDACTIVE CONTAMINATION COUNTRY OF GREEN: BILLIA.

We hereby certify that the material described above has been tested and compiles with the terms of order/contract.



2010-02-02 NA

REV. B SCALE 10.01.05 SHEET 1 OF 1 01.12.20 COPYRIGHT CZBN BY DART AEROSPACE LTD DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DPAWING NO.
RE
M303R
303 ROUND BAR
SHEET 1
SS SS SY CP | REFORMAT DWG, ADD SPECS (2N 08-1), | REF PAR 08-020A, | NEW ISSUE | REV. | RE CHECKED
MFG. APPR.
APPROVED
DE APPR.
DATE
10 DESIGN

NTS

10.01.05

SPECIFICATION CONTROL DRAWING

Ω

PURCHASE MATERIAL: AISI 503-3S ROUND BAR (NOTE: AISI 304/316 NOT ACCEPTABLE)

ASTM A582

M303RID.DDD DIA.

WHERE "D.DDD" = DIAMETER IN INCHES EG. 0.75" ROUND BAR = M303R0.750

U

SPECIFICATION: PART NUMBER:

**(a)** 

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MATERIAL: M3036 DATE: 18/9	(10	25		-		PO / BATCH	NO.: <u>Po 040</u>	839/510897
MATERIAL CERT REC'D: Les  QUANTITY RECEIVED: Left  QUANTITY INSPECTED: Left  QUANTITY REJECTED: 0				_ T	HIC HEE	KNESS ORDE KNESS RECEI ET SIZE ORDEI ET SIZE RECEI	VED: 0.62	
	No	CR						
DESCRIPTION	'	neck (N)				COMMENT	rs	
SURFACE DAMAGE			- 2					
CORRECT FINISH	Y	N						
CORROSION	Y	N						
CORRECT GRAIN DIRECTION	()	N						
CORRECT MATERIAL PER M-DRAWING	Ø	N	ACTM	A582				
CORRECT THICKNESS	(7)	N	13 1/1	A)02				
PHOTO REQUIRED	Y	(N)				- NE		
CORRECT REF # TO LINK CERT	(Y)	N	111:0	177/5		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
CORRECT MATERIAL IDENTFICATION		N	PITE	11/3				
CORRECT M# ON THE MATERIAL	M	N						
DOES THIS MATERIAL REQUIRE	-0	<u> </u>						
ENGINEERING SIGN OFF	Y	N						
DOES THIS REQUIRE AN								
EXTRUSION REPORT	Y	N						
		V						
CLIT CAMPLE DIFFOR	- 05		FEDIAL A	ND DDEE				
CUT SAMPLE PIECE							SS CHECK.	
	- 1			ULTS BEL	.OV		5115.5	T :
TYPE OF MATERIAL			HRC	HRB	$\dashv$	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					$\dashv$			
HARDNESS / DUROMETER READII	NG			-	$\dashv$	, -		
TANDINESS / DONOMIETER READII		Latoro	la satad in	the Quality (	255			
	10	:SIE/5	iocated iii	the Quanty C	JIIIC	별		
				1				
QC 18 INSPECTION						ENGINEER	ING SIGNOF	F (if required)
INSPECTED BY:				0	ICA			
HOI EOILE DI.			_	3	IGI\	IED OFF BY:		
DATE: 18/04/10						DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

EXTRUDEX	BONI	DE LIVR	aison		NO.	OU BON	DATE	DE LIVRAISON
ALUMINIUM (QUÉBEC) INC.	TÉLÉPHONE: TÉLÉCOPIEUR: SANS FRAIS:	(800) 70	31-7400 04-4244		1:	27404	13	3/Feb/18
	770, Chemin Olivie	r, Lévis Québe	G7A 2N2		NIR;		NO DE TELES	PHONE DUCLIENT:
- E			-	$\neg$	R-01547	8-2	450	-963-3693
VENDU À	1 1 max 10				NO COMMANDE O	LIENT: 50111	Guillaun	wr: ne Morin
NO CLIENT: 3693		LIENT: L-369	3		JP COMEA	'n		DE EXTRUGEX:
NO NO DE FALERIC HOMBER CLIENT DESCRIPTION ALLIAGE / TRANSAGE  15 SO11570 BARRE PLATE 2" X 1"	LONGUEUR	FINITION	COMMANDE CLE NB MÈCES KILL		À VENIR B PIÈCES: KIL	NO TICKE	EN LIVRO S NB MÉCES	AUSON %
6061/76	6096mm NAT	UREL L	24 500		0 0 109487-15-1			573 100.0%
2.31	LIFECT CE				Sous-Tota	: 1	27	573
Mill Test (Tensile Properties of Aluminum)	ULTEST + CER	CL CONFOR	and the same of th	t Date	.: 9/Feb/18		(27)	, 1903.9
Order No. Alloy Temper Yield (ks)	Ultimate Tensile (ksi)	Total Elonga (%)		Hardne lockwel		onductivity %	R	eport No.
33.3	39.0	12.80		88.80				8808
Certificate of compliance (Certificat de confor	mité) Norm	es: (ANSI H35.1	-1997) & (ASTM	B221)	)			
Order No. Hardness (Webster) Cast No. CAST CHE	MICHAL COMPOSITI	ON:						
109487-15-1A 18019291A AI	Si   Fe   Cu	Mn   Mg	Cr Ni Zn	Tí	Ga   V	B   7r   F	li Pb [ S	in   Sr   Co
98.18	0.54 0.17 0.21	0.01 0.80	0.00 0.00	0.01	0.00 0.00	0.00 0.00 0.		.00 0.00 0.00

NORM 13 FEV. 2018

1 3 FEV 2018

SIGNATURE EXTRUDEX:

SIGNATURE CLIENT:

DATE:

13

RELEASED 2009 - 05- 03

REV. B SHEET 1 OF 1 CP 09.07.13 01.06.08 DART AEROSPACE LTD HAWKESBURY, ONTARIO CANADA DRAWING NO.
M6061T6B SHEE DS B REMOVE QQ-4-280/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZN D7-1) тт.е 6061-T6 BAR DESIGN DS
DRAWN
CHECKED
MFG. APPR.
APPROVED
DE APPR.
DE APPR.
DATE 09.07.13 A NEW ISSUE REV.

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PURCHASE MATERIAL: 6061-T0/1651/16510/16511/162 ALUMINUM BAR

SPECIFICATION CONTROL DRAWING

C

SPECIFICATION:

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QC-A-225/8 OR AMS-00-A-225/8 (OR AMS 4117/4128/4115/4116) OR QC-A-200/8 OR AMS-00-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221)

(B)

M6061T6B T.TTT X WW.WWW WIDTH THICK

PART NUMBER:

WHERE "T.TTT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1,000X12,000

U

MATERIAL:	176	BL	000 x02.	<b>2</b> 00		PO / BATCH	NO.: <u>/</u>	90040	83 <u>9/5/0897</u> 7
MATERIAL CERT REC'D: Ves  QUANTITY RECEIVED: 36ft  QUANTITY INSPECTED: 0					THICK SHEE	KNESS ORDEF KNESS RECEIN T SIZE ORDEF T SIZE RECEIN	VED: _ RED: _	1-000	(1
					1				
DESCRIPTION		CR eck (N)				COMMENT	rs		
SURFACE DAMAGE	Y	N							
CORRECT FINISH	Y	N		22000					
CORROSION	Y	(N)							
CORRECT GRAIN DIRECTION	(Y)	N							
CORRECT MATERIAL PER M-DRAWING	X	N	ASTA	1 B221					
CORRECT THICKNESS	Y	N							
PHOTO REQUIRED	Y	(N)							
CORRECT REF # TO LINK CERT	(Y)	N	HT:	1801929	IA				
CORRECT MATERIAL IDENTFICATION		N				10-			
CORRECT M# ON THE MATERIAL	<b>(A)</b>	N		- V					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	N							
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(z)			1				
CUT SAMPLE PIECI			TERIAL A				SS CI	HECK.	
			HRC	HRE	3	DUR A	DI	JR D	WEBSTER
TYPE OF MATERIAL									
SIZE OF TEST SAMPLE									
HARDNESS / DUROMETER READI	NG								
	<u>te</u>	esters	located in	the Quality	/ Offic	<u>e</u>			
QC 18 INSPECTION			2000年			ENGINEER	RING	SIGNOF	F (if required)
INSPECTED BY:					SIGN	IED OFF BY:			

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DATE:

DATE: /8/09/10

EXTROBEX

ALUMINUM CIRP.

TEL: (416)745-4444 FAX:(416)745-0925 1-800-668-7210 411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4 http://www.extrudex.com

MILL TEST

		CERT CODE: 9 CUSTOMER PO		DIENUMBER S A	WBER 4	DATE OF SHIPMENT Oct/19/2017 SALESMAN	HIPMENT 2017		EXTRUDE 210182	UDEX OI	EXTRUDEX ORDER NO. 210182 — 9	Ö.		IFEST NO. 379633
SODESCRIPTION 2.5 x 1.5 FB		CUSTOMER PART NUMBER V836661	TNUMBER	6061 2.5 x	8061) / 16511 PART DESCRIPTION (2.5 x 1.5 FB	5	ACCO	SINC	CERTIFICATION ASTM B221	М, салом B221-14	CERTIFICATION ASTM B221-14 - AMS OOA 200/8	CAN	ADA 00/8	
Mechanical Proportion				-										П
incomanical Properties	7			:										
Lot		Test Date		Itimate		Yield Strength		Percent	11 10 50 C	3655		Cond	Conductivity	
A.11 6051	R14785	) Oct/13/2017	/2017		42.30	38.40	16	Elongation 12.80		Rockwell F 89.0,89.2,89.5				
nical Compo	<u> 원</u>	M		i <b>∃</b>		<b>8</b>	>1	<u>B</u> Zr	[B]	ପ୍ଧ	N Si	- Si	S A	Othe
386350 A.1.1 6061	0.6 0.15 0	0.21 0.04	0.87 0.07	0	0.01	0.02 0	0	0	0 0	0	0	0	0 Remainder	D
	We certify tha specifications.	We certify that the followin specifications.	wing extrusi	ons ha	ig extrusions have been quality inspected/tested and conforms to required dimensional and temper	lity inspecte	:d/testex	and co	nforms t	o requir	ed dimen	ısional	and temper	,
				12.1										
					¥I									
,														
J.M.J.														
1 March	)													
Tulsiram Mohabir Quality Control Manager	l												ě	

1 - CUSTOMER COPY

PELEASED 2009 - 05 - 03

REV. B SHEET 1 OF 1 09.67.13 DS 01.06.08 DATE DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
MOOG 1T6B
SHEET
TITLE

B SHEET
S
GOOG 1-TG BAR 3 B REMOVE QQ-A-280/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZN D7-1) A NEW ISSUE CHECKED
MFG. APPR.
APPROVED
DE APPR.
DE APPR. DRAWN DESIGN REV.

COPYRIGHT @ 2001 BY DART AEROSPACE LTD

09.07.13

SPECIFICATION CONTROL DRAWING

0

PURCHASE MATERIAL (6061) T6/T651/T6510/T6511)/T62 ALUMINUM BAR

SPECIFICATION:

OC-A-225/8 OR AMS-OQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS GQA-200/8 (OR AMS 4160) OR ASTM B211 OR (ASTM B221)

PART NUMBER:

**8** 

M6061T6B T.TTT X WW.WWW WIDTH THICK

WHERE "T.TTT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

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MATERIAL: <u>M6061</u> DATE: <u>18/04</u> /				90	ŗ	PO / BATCH	NO.: <u> <i>POOYOE</i></u>	339 /5/08978
MATERIAL CERT REC'D: 1.47.  QUANTITY RECEIVED: 11.47.  QUANTITY REJECTED: 11.47.					THIC SHEE	KNESS ORDEF KNESS RECEIN ET SIZE ORDEF ET SIZE RECEIN	/ED: 1-500 PRED:	
DESCRIPTION	100	CR eck N)				COMMENT		
SURFACE DAMAGE	Υ.	(N)						
CORRECT FINISH	(Y)	N			<i></i>			
CORROSION	Y	N						
CORRECT GRAIN DIRECTION	Ŷ	N				1500 (S. 1860 W. S.		
CORRECT MATERIAL PER M-DRAWING	(Y)	N	ASTM	BDAL			2	
CORRECT THICKNESS	(Y)	N	11010	14 44			***************************************	
PHOTO REQUIRED	Y	N						
CORRECT REF # TO LINK CERT	Y	N	HT: 1	B6350				
CORRECT MATERIAL IDENTFICATION	M	N						
CORRECT M# ON THE MATERIAL	(Y)	N						0.00
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(Z)						
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	2 (		****				
CUT SAMPLE PIEC							SS CHECK.	
	ŀ		ORD RES				DUD D	LWEDOTED
TYPE OF MATERIAL			HRC	HRE	)	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL SIZE OF TEST SAMPLE								
HARDNESS / DUROMETER READI	NG							
HARDNESS / DOROWETER READI		etore	located in	the Quality	hffi			
	25	.51075	rocuted m	and quant		<u></u>		
QC 18 INSPECTION					1543	ENGINEER	RING SIGNOF	F (if required)
					SIGI	NED OFF BY:		
INSPECTED BY: Af	0					DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# Chemical certification Certification chimique

Order Num / No. Communde 45354	Vendor / Fournisseur 51	Country of origin / Pay d'origina CHINA	Dale 01/18/18	Hest / coulée 991703660B	Material ID # / No. matériel
Grade / Nuance	Conditions ANNEALED; EAF+	LF+VOD			
Shape / Forme ROUND		pecifications BD-BO-A-MTEA, BD-188-A MTE			

			Chemic	al con	positic	m / A	Analyse chim	ique			
Min! / max! 0.6 Actual %	Carbon (6 3500 / 1 0.920		0.	Silicon 1000 / 0.22	0.3500			ABRIGADO / 1.060	1.4000	Phosp 0.0000 / 0.00	15555
······································	Sulphur (			Chromin	um (Gr)		1.50	lickel (NI	50	Molybo	denum (Mo) 9,2500
Actual %	0.000			0.83	0			0.000		9.0	10
Mint / mext 0.0	Cooper (0 )000 / 0 0.000		0.	Vanadi 0000 / 0.08	0.3000	r		iuminum 000 / 0.010	0.0600	Tunget 0,4000 / 0.5	0,7000
Mini / maxl o.	Cobalt (0 0000 / 0,000		InaliT \ 0000.0 100.0			0.00	00 / 0.0000 0.000	0	0000.0 \ 0000.0	0.0030	g.0000
	MA.		Mechanic	al prop	perties !	Pro	priétés Méca	niques	•		
Yield strenght /	Élaslicité	Tensile / Rés.	à la l/action	Elongati	on / Allon	(%)	Red. of area / St	uface (%	RC	Surface t	id / Durelé
0.000	PSI	0.000	P8l	0.00		•	0.00			203	BHA

## Note:

We certify that the above data has been verified and are conform to an original mili or supplier conflicate supplied to us with the material Nous certifiens que les données of haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fournit par notre fournisseur.

Prepared by: / Préparé par:

Q CORD NO. 1 AND STATE OF THE STA APPROVED AISI 01 TOOL STEEL ROUND BAR WM 8 NA 17.08.09 DATE DESCRIPTION EN 17-1,49 3 REV. MT-01-R [D.DDD] WHERE "D.DDD" = DIAMETER IN INCHES EG. 5/8" ROUND BAR = MT-01-R0.625 SPECIFICATION CONTROL DRAWING PURCHASE MATERIAL: AIS 01 TOOL STEEL ROUND BAR DIN 1.2510 or B.S. BO 1 or SAE J437 or SAE J438 or UNS T31501 or ASTM A681 SPECIFICATION: PART NUMBER: 8

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MATERIAL:	10	-			0839/5108
MATERIAL CERT REC'D: 165  QUANTITY RECEIVED: 3ft  QUANTITY INSPECTED: 3ft  QUANTITY REJECTED: 10		THIC	KNESS ORDEF KNESS RECEIV ET SIZE ORDEF ET SIZE RECEIV	VED: 2-5	00 "
DESCRIPTION (C	NCR Check Y/N)	V 180	COMMENT	-S	
SURFACE DAMAGE )	C(V)				
CORRECT FINISH	N				
CORROSION )					
<del>\</del>	N N N	A N/a			
CORRECT THICKNESS (		1 4681			
			20.5 × 20.0 × 20.00 ×	(	
CORRECT REF # TO LINK CERT		991703650	0		
CORRECT MATERIAL IDENTFICATION		1 (1 10 36 3 0	D		
CORRECT M# ON THE MATERIAL	<u> </u>				
DOES THIS MATERIAL REQUIRE			7220.0251.251		
ENGINEERING SIGN OFF					
DOES THIS REQUIRE AN					
EXTRUSION REPORT Y	<u> </u>	1			
CUT SAMPLE PIECE C				SS CHECK.	
	RECORD RES			חותה	LAVEDOTED
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					-
HARDNESS / DUROMETER READING	.				-
IARDINEGO / DONOWIL I EN READING	testers located in	# - O!!# - Offi			

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	SIGNED OFF BY:
DATE: (8/04/28	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in